Lesson 5 Week 5 Answers

Mixed fraction questions and word problems

RED

1. Noah made two types of biscuits. He used $\frac{3}{8}$ cup of sugar for one recipe and $\frac{1}{8}$ cup of sugar for the other. How much sugar (in cups) did he use in all? $\frac{4}{8}$
2. $\frac{3}{10}$ of the coloured chocolates in a bag are red and $\frac{3}{10}$ are blue. What fraction of the coloured chocolates is red and blue? $\frac{6}{10}$
3. Emily has $\frac{4}{12}$ of a chocolate bar. Nathan has $\frac{5}{12}$ of the chocolate bar. How much do they have together? $\frac{9}{12}$
4. Grace ran $\frac{4}{6}$ of a marathon. Anita ran $\frac{5}{6}$ of a marathon. Who ran further? What fraction further? Anita $\frac{1}{6}$
5. A running track is one kilometre long. If I jog for $\frac{1}{3}$ km and sprint for $\frac{1}{3}$ km, will I complete the full distance of the track? No $\frac{2}{3}$ *km*
6. You give $\frac{3}{6}$ of a box of cakes to Anna and $\frac{1}{6}$ of the box of cakes to Haris. How much of the box of cakes did you give away? $\frac{4}{6}$
7. Peter walks $\frac{7}{8}$ of a mile to school. Layla walks $\frac{5}{8}$ of a mile to school. How much farther does Peter walk than Layla? $\frac{2}{8}$ *of a mile*
8. A jug contains $\frac{5}{8}$ litres of juice. After you pour $\frac{3}{8}$ of a litre into some glasses, how much is left in the jug? $\frac{2}{8}$ *of a litre*
9. Harry and Dele shared a chocolate bar. Harry ate $\frac{3}{5}$ and Dele $\frac{2}{5}$ ate . Who ate more? What fraction more? Harry $\frac{1}{5}$ *more*

YELLOW

1. Olivia went out for a walk. She walked $\frac{3}{4}$ of a mile and then sat down to take a rest. Then she walked $\frac{1}{8}$ of a mile. How far did she walk altogether? $\frac{7}{8}$ *of a mile*
2. Noah made two types of biscuits. He used $\frac{3}{8}$ cup of sugar for one recipe and $\frac{1}{4}$ cup of sugar for the other. How much sugar (in cups) did he use in all? $\frac{5}{8}$
3. Emily has $\frac{1}{3}$ of a chocolate bar. Nathan has $\frac{5}{12}$ of the chocolate bar. How much do they have together? $\frac{9}{12}$ (or ¾)
4. Grace ran $\frac{2}{3}$ of a marathon. Anita ran $\frac{5}{6}$ of a marathon. Who ran further? What fraction further? Anita, $\frac{1}{6}$
5. A running track is one kilometre long. If I jog for $\frac{1}{6}$ km and sprint for $\frac{2}{3}$ km will I complete the full distance of the track? No, $\frac{5}{6}$
6. You give of a $\frac{1}{3}$ box of cakes to Anna and $\frac{1}{6}$ of the box of cakes to Harris. How much of the box of cakes did you give away? $\frac{3}{6}$ (or ½)
7. Peter walks $\frac{7}{8}$ of a mile to school. Layla walks $\frac{1}{2}$ of a mile to school. How much farther does Peter walk than Layla? $\frac{3}{8}$ mile
8. A jug contains 2 $\frac{3}{4}$ litres of orange juice. After you pour $\frac{5}{8}$ of a litre into some glasses, how much is left in the jug? 2 ⅛ (or $\frac{17}{8}$ of a litre)
9. Harry and Dele shared a chocolate bar. Harry ate $\frac{2}{5}$ and Dele ate $\frac{3}{10}$. Who ate more? What fraction more? Harry, $\frac{1}{10}$ *more*

GREEN

1. Emily has $\frac{1}{3}$ of a chocolate bar. Nathan has $\frac{5}{12}$ of the chocolate bar. How much of the chocolate bar is left? $\frac{3}{12}$ (or ¼)
2. After three hours, Grace has run $\frac{2}{3}$ of a marathon and Anita has run $\frac{5}{6}$ of a marathon. Who has more to run to finish? Grace
3. A race is five kilometres long. If I jog for 3 $\frac{5}{6}$ kms and sprint for ⅔ kms, how much further do I need to run? $\frac{3}{6}$ (or ½)
4. You give 2 $\frac{2}{5}$ litres of water to Anna and 1 $\frac{7}{10}$ litres of water to Haris. How many litres of water did you give away in total? $4\frac{1}{10}$ litres
5. Peter walks 1 $\frac{7}{8}$ miles to school. Layla walks 2 $\frac{1}{2}$ miles to school. How much further does Layla walk than Peter? $\frac{5}{8}$ *miles*
6. There is $\frac{9}{10}$ of a pizza in one box and $\frac{1}{2}$ of a pizza in another box. How much more is there in the first box compared to the second box? ⅖ (or $\frac{4}{10}$)
7. A jug contains 2 $\frac{3}{4}$ litres of orange juice. After you pour 1 $\frac{7}{8}$ litres into some glasses, how much is left in the jug? $\frac{7}{8}$ *litre*
8. At a class party, $\frac{3}{8}$ of a vegetarian pizza, $\frac{1}{2}$ of a meat-feast pizza and ¾ of a pepperoni pizza were eaten. How much pizza was eaten altogether? 1 ⅝
9. Harry, Dele and Christian shared a chocolate bar. Harry ate $\frac{1}{5}$, Dele $\frac{3}{10}$ ate and Christian finished the bar. What fraction did Christian eat? ½ (or $\frac{5}{10}$)